

RM7CN-3 and RM7CS-3

SView™ Vandal-Resistant Dome Camera System

- RM7TN-3..... IP Network Ready 7" Outdoor Vandal-resistant Recessed Ceiling Mount Dome PTZ Camera System with 23x zoom Day / Night camera, wall mount, MPEG-4 & MJPEG video compression, Full D1. Tinted dome, with 24Vac input, heater / blower
- RM7TS-3..... 7" Outdoor Vandal-resistant Recessed Ceiling Mount Dome PTZ Camera System with 23x zoom Day / Night camera, wall mount, RS422, Pelco D&P protocols. Tinted dome, with 24Vac input, heater / blower
- IRM7TN-3..... IP Network Ready 7" Indoor Vandal-resistant Recessed Ceiling Mount Dome PTZ Camera System with 23x zoom Day / Night camera, wall mount, MPEG-4 & MJPEG video compression, Full D1. Tinted dome
- IRM7TS-3..... 7" Indoor Vandal-resistant Recessed Ceiling Mount Dome PTZ Camera System with 23x zoom Day / Night camera, wall mount, RS422, Pelco D&P protocols. Tinted dome



Moog Inc.
Sensor and Surveillance Systems

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IMPORTANT SAFEGUARDS

- 1 Read these instructions.
- 2 Keep these instructions.
- 3 Heed all warnings.
- 4 Follow all instructions.
- 5 Do not use this apparatus near water.
- 6 Clean only with damp cloth.
- 7 Do not block any of the ventilation openings. Install in accordance with the manufacturers instructions.
- 8 Cable Runs- All cable runs must be within permissible distance.
- 9 Mounting - This unit must be properly and securely mounted to a supporting structure capable of sustaining the weight of the unit.

Accordingly:

- a. This installation should be made by a qualified service person and should conform to all local codes.
 - b. Care should be exercised to select suitable hardware to install the unit, taking into account both the composition of the mounting surface and the weight of the unit.
- 10 Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
 - 11 Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
 - 12 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
 - 13 Only use attachment/ accessories specified by the manufacturer.
 - 14 Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
 - 15 Unplug this apparatus during lighting storms or when unused for long periods of time.
 - 16 Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Be sure to periodically examine the unit and the supporting structure to make sure that the integrity of the installation is intact. Failure to comply with the foregoing could result in the unit separating from the support structure and falling, with resultant damages or injury to anyone or anything struck by the falling unit.

UNPACKING

Unpack carefully. Electronic components can be damaged if improperly handled or dropped. If an item appears to have been damaged in shipment, replace it properly in its carton and notify the shipper.

Be sure to save:

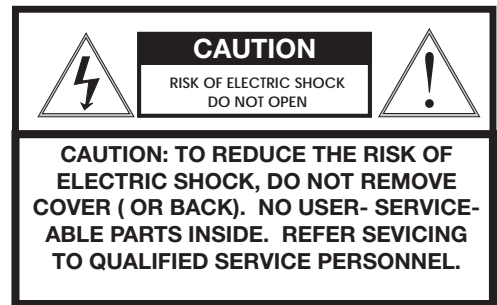
- 1 The shipping carton and packaging material. They are the safest material in which to make future shipments of the equipment.
- 2 These Installation and Operating Instructions.

SERVICE

If technical support or service is needed, contact us at the following number:

TECHNICAL SUPPORT
AVAILABLE 24 HOURS
1 - 800 - 554 - 1124

SAFETY PRECAUTIONS



The lightning flash with an arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of non-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk to persons.

Este símbolo se piensa para alertar al usuario a la presencia del "voltaje peligroso no-aislado" dentro del recinto de los productos que puede ser un riesgo de choque eléctrico.

Ce symbole est prévu pour alerter l'utilisateur à la présence "de la tension dangereuse" non-isolée dans la clôture de produits qui peut être un risque de choc électrique.

Dieses Symbol soll den Benutzer zum Vorhandensein der nicht-Isolier "Gefährdungsspannung" innerhalb der Produkteinschließung alarmieren die eine Gefahr des elektrischen Schlages sein kann.

Este símbolo é pretendido alertar o usuário à presença "di tensão perigosa non-isolada" dentro do cerco dos produtos que pode ser um risco de choque elétrico.

Questo simbolo è inteso per avvertire l'utente alla presenza "di tensione pericolosa" non-isolata all'interno della recinzione dei prodotti che può essere un rischio di scossa elettrica.



The exclamation point within an equilateral triangle is intended to alert the user to presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Este símbolo del punto del exclamation se piensa para alertar al usuario a la presencia de instrucciones importantes en la literatura que acompaña la aplicación.

Ce symbole de point d'exclamation est prévu pour alerter l'utilisateur à la présence des instructions importantes dans la littérature accompagnant l'appareil.

Dieses Ausruf Punktsymbol soll den Benutzer zum Vorhandensein de wichtigen Anweisungen in der Literatur alarmieren, die das Gerät begleitet.

Este símbolo do ponto do exclamation é pretendido alertar o usuário à presença de instruções importantes na literatura que acompanha o dispositivo.

Questo simbolo del punto del exclamation è inteso per avvertire l'utente alla presenza delle istruzioni importanti nella letteratura che accompagna l'apparecchio.

Product Warranty Registration

Register Your Products Online

www.moogS3.com/technical-support/product-registration

Moog values your patronage. We are solely committed to providing you with the highest quality products and superior customer service. With 3-Year and 5-Year warranties (depending on the product purchased) we stand behind every product we sell.

See full warranty details at www.moogS3.com/technical-support/warranty-plan/

Register your products today to receive the following benefits:

- Simple and Trouble-Free RMA process
- Product / software updates
- Special promotions
- Eliminate the need to archive purchase documents such as receipts, purchase orders, etc.

Limited Warranty for Moog Products

Moog - Decatur Operations, subsequently referred to as "Manufacturer," warrants these products to be free from defects in material or workmanship as follows:

PRODUCT CATEGORY	PARTS \ LABOR
All Enclosures and Electronics	Five (5) Years
Accessory Brackets	Five (5) Years
Controllers	Three (3) Years
Power Supplies / IR Illuminators	Three (3) Years
Poles / PolEvators™ / CamEvator	Three (3) Years
Warrior Series™ / Q-View™	Three (3) Years
SView Series™	Three (3) Years 6 months if used in auto scan / tour operation
DeputyDome™, NiteTrac™, Igloo Dome, PurgeDome™	Three (3) Years 6 months if used in auto scan / tour operation
EXO Series™ Dome and Fixed Camera Systems*	Three (3) Years 6 months if used in auto scan / tour operation
EXO Series™ GeminEye Visible and Thermal Camera Systems	One (1) Year

During the labor warranty period, to repair the Product, Purchaser will either return the defective product, freight prepaid, or deliver it to Manufacturer at Moog Decatur Operations, 2525 Park Central Boulevard, Decatur, Georgia, 30035. The Product to be repaired is to be returned in either its original carton or a similar package affording an equal degree of protection with a RMA # (Return Materials Authorization number) displayed on the outer box or packing slip. To obtain a RMA# you must contact our Technical Support Team at 800.554.1124, extension 101. Manufacturer will return the repaired product freight prepaid to Purchaser. Manufacturer is not obligated to provide Purchaser with a substitute unit during the warranty period or at any time. After the applicable warranty period, Purchaser must pay all labor and/or parts charges. The limited warranty stated in these product instructions is subject to all of the following terms and conditions.

TERMS AND CONDITIONS

1. NOTIFICATION OF CLAIMS: WARRANTY SERVICE: If Purchaser believes that the Product is defective in material or workmanship, then written notice with an explanation of the claim shall be given promptly by Purchaser to Manufacturer. All claims for warranty service must be made within the warranty period. If after investigation, Manufacturer determines the reported problem was not covered by the warranty, Purchaser shall pay Manufacturer for the cost of investigating the problem at its then prevailing per incident billable rate. No repair or replacement of any Product or part thereof shall extend the warranty period of the entire Product. The specific warranty on the repaired part only shall be in effect for a period of ninety (90) days following the repair or replacement of that part or the remaining period of the Product parts warranty, whichever is greater.

2. EXCLUSIVE REMEDY: ACCEPTANCE: Purchaser's exclusive remedy and Manufacturer's sole obligation is to supply (or pay for) all labor necessary to repair any Product found to be defective within the warranty period and to supply, at no extra charge, new or rebuilt replacements for defective parts.

3. EXCEPTIONS TO LIMITED WARRANTY: Manufacturer shall have no liability or obligation to Purchaser with respect to any Product requiring service during the warranty period which is subjected to any of the following: abuse, improper use, negligence, accident, or acts of God (i.e., hurricanes, earthquakes), modification, failure of the end-user to follow the directions outlined in the product instructions, failure of the end-user to follow the maintenance procedures recommended by the International Security Industry Organization, written in product instructions, or recommended in the service manual for the Product. Furthermore, Manufacturer shall have no liability where a schedule is specified for regular replacement or maintenance or cleaning of certain parts (based on usage) and the end-user has failed to follow such schedule; attempted repair by non-qualified personnel; operation of the Product outside of the published environmental and electrical parameters, or if such Product's original identification (trademark, serial number) markings have been defaced, altered, or removed. Manufacturer excludes from warranty coverage Products sold AS IS and/or WITH ALL FAULTS and excludes used Products which have not been sold by Manufacturer to the Purchaser. All software and accompanying documentation furnished with, or as part of the Product is furnished "AS IS" (i.e., without any warranty of any kind), except where expressly provided otherwise in any documentation or license agreement furnished with the Product. ANY COST ASSOCIATED WITH REMOVAL OF DEFECTIVE PRODUCT AND INSTALLATION OF REPLACEMENT PRODUCT IS NOT INCLUDED IN THIS WARRANTY.

4. PROOF OF PURCHASE: The Purchaser's dated bill of sale must be retained as evidence of the date of purchase and to establish warranty eligibility.

DISCLAIMER OF WARRANTY

EXCEPT FOR THE FOREGOING WARRANTIES, MANUFACTURER HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO ANY AND/OR ALL IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND/OR ANY WARRANTY WITH REGARD TO ANY CLAIM OF INFRINGEMENT THAT MAY BE PROVIDED IN SECTION 2-312(3) OF THE UNIFORM COMMERCIAL CODE AND/OR IN ANY OTHER COMPARABLE STATE STATUTE. MANUFACTURER HEREBY DISCLAIMS ANY REPRESENTATIONS OR WARRANTY THAT THE PRODUCT IS COMPATIBLE WITH ANY COMBINATION OF NON-MANUFACTURER PRODUCTS OR NON-MANUFACTURER RECOMMENDED PRODUCTS PURCHASER MAY CHOOSE TO CONNECT TO THE PRODUCT.

LIMITATION OF LIABILITY

THE LIABILITY OF Manufacturer, IF ANY, AND PURCHASER'S SOLE AND EXCLUSIVE REMEDY FOR DAMAGES FOR ANY CLAIM OF ANY KIND WHATSOEVER, REGARDLESS OF THE LEGAL THEORY AND WHETHER ARISING IN TORT OR CONTRACT, SHALL NOT BE GREATER THAN THE ACTUAL PURCHASE PRICE OF THE PRODUCT WITH RESPECT TO WHICH SUCH CLAIM IS MADE. IN NO EVENT SHALL MANUFACTURER BE LIABLE TO PURCHASER FOR ANY SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY KIND INCLUDING, BUT NOT LIMITED TO, COMPENSATION, REPLACEMENT LABOR COSTS, REIMBURSEMENT, OR DAMAGES ON ACCOUNT OF THE LOSS OF PRESENT OR PROSPECTIVE PROFITS OR FOR ANY OTHER REASON WHATSOEVER.



Electrical Specifications

Power 24VAC
Class 2 Only

RM7TN-9	IRM7TN-9 (INDOOR ONLY)
RM7TS-9	IRM7TS-9 (INDOOR ONLY)



English

24 VAC
3.3 Amps
Total Power: 80 Watts
Accessories: Heater: 50 Watts/Blower: 2 Watts
Camera Power: 28 Watts
Tools Required: .100" Flat Head Screwdriver
Phillips Head Screwdriver

Note: IRM7CN includes no accessories



Español

24 VAC
3.3 amperios
Energía Total: 80 vatios
Accesorios: Calentador: 50 Watts/Blower: 2 vatios
Energía De la Cámara fotográfica: 28 vatios
Las Herramientas Requerieron: Destornillador Principal Plano Del 100"
Destornillador Principal Phillips

Nota: IRM7CN no incluye ningún accesorio



Français

24 VCA
3.3 ampères
Puissance Totale : 80 watts
Accessoires : Réchauffeur : 50 Watts/Blower : 2 watts
Puissance D'Appareil-photo : 28 watts
Les Outils Ont exigé : Tournevis Principal Plat De 100"
Tournevis Principal Phillips

Note : IRM7CN n'inclut aucun accessoire



Deutsch

24 VAC
3.3 Ampere
Gesamtenergie: 80 Watt
Zusatzgeräte: Heizung: 50 Watts/Blower: 2 Watt
Kamera-Energie: 28 Watt
Werkzeuge Erforderten: 100"Flacher Hauptschraubenzieher
Kreuzkopfschraubenzieher

Anmerkung: IRM7CN schließt keine Zusatzgeräte mit ein



Portuguese

24 VAC
3.3 ampères
Poder Total: 80 watts
Acessórios: Calefator: 50 Watts/Blower: 2 watt
Poder Da Câmera: 28 watt
As Ferramentas Requereram: Chave de fenda Principal Lisa Do 100"
Chave de fenda Principal Phillips

Nota: IRM7CN não inclui nenhum acessório

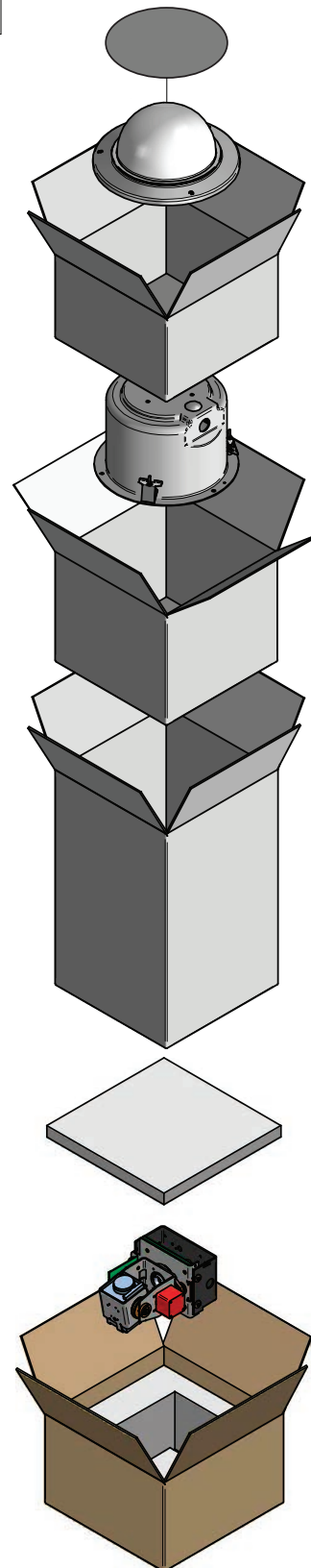
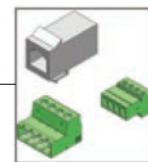


Italiano

24 VAC
3.3 ampère
Alimentazione Totale: 80 watt
Accessori: Riscaldatore: 50 Watts/Blower: 2 watt
Alimentazione Della Macchina fotografica: 28 watt
Attrezzi Richiesti: Cacciavite Capo Piano Del 100"
Cacciavite Capo "phillips"

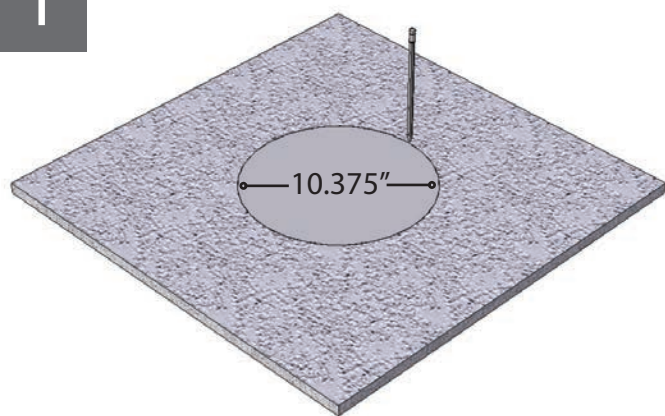
Nota: IRM7CN non include accessori

Contents of Box



*** Pan Tilt boxed separately along with its instructions.

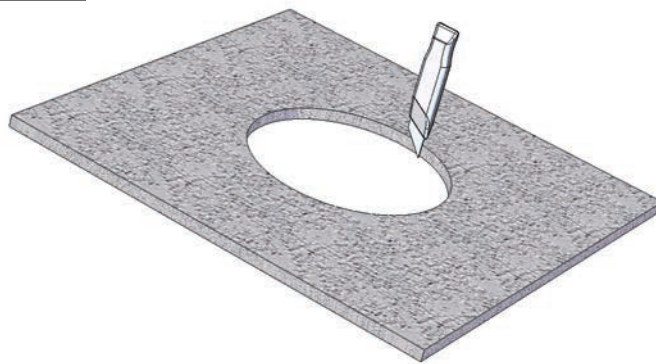
1



Using the provided template, mark the ceiling tile for the cutout.

- Con la plantilla proporcionada, cortar el azulejo del techo para el agujero.
- En utilisant le calibre fourni, marquez la tuile de plafond pour le coupe-circuit.
- Mit der zur Verfügung gestellten Schablone kennzeichnen Sie die Decke Fliese für den Ausschnitt.
- Usando o molde fornecido, marque a telha do teto para o entalhe.
- Usando la mascherina fornita, contrassegni le mattonelle del soffitto per il ritaglio.

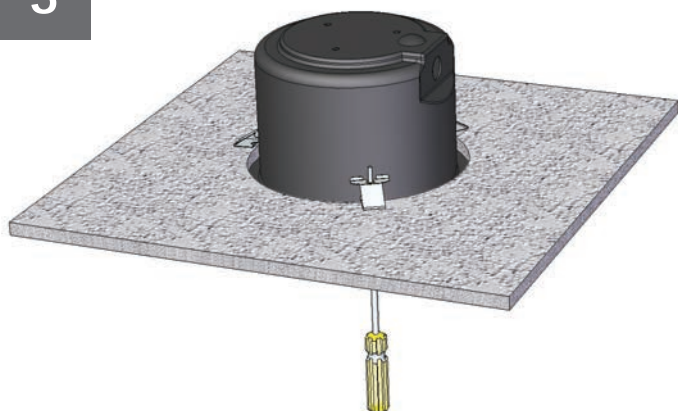
2



A box cutter or jigsaw can be used for cutting the circle.

- Un cortador o un rompecabezas de la caja se puede utilizar para cortar el círculo.
- Un coupeur ou une scie sauteuse de boîte peut être utilisé pour couper le cercle.
- Ein Kastenscherblock oder -tischlerbandsäge können für den Schnitt des Kreises benutzt werden.
- Um cortador ou um jigsaw da caixa podem ser usados cortando o círculo.
- Una taglierina o un jigsaw della scatola può essere utilizzato per il taglio del cerchio.

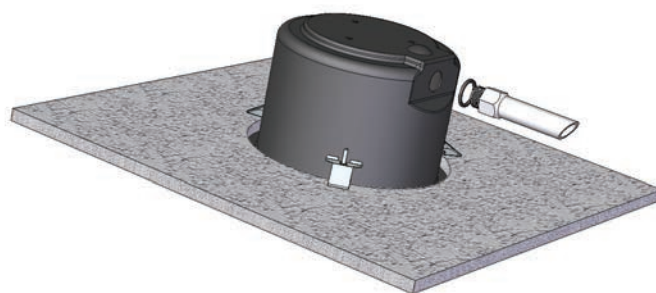
3



Place the housing in the tile and secure the outer tabs.

- Coloque la cubierta en el azulejo y asegure las lengüetas externas.
- Placez le logement dans la tuile et fixez les étiquettes externes.
- Legen Sie das Gehäuse in die Fliese und sichern Sie die äußeren Vorsprünge.
- Coloque a carcaça na telha e fixe as abas exteriores.
- Disponga l'alloggiamento nelle mattonelle ed assicuri le linguette esterne.

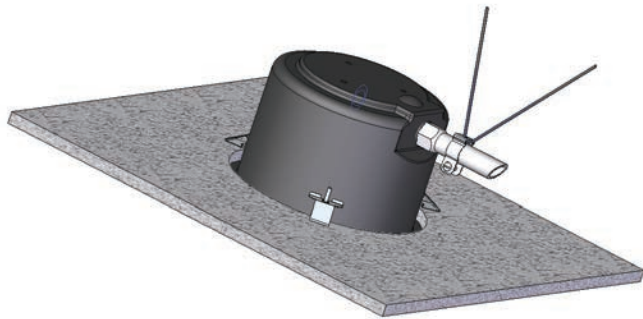
4



Connect the flex conduit to the housing.

- Conecte el conducto de la flexión con la cubierta.
- Reliez le conduit de câble au logement.
- Schließen Sie das Flexrohr an das Gehäuse an.
- Conecte a canalização do cabo flexível à carcaça.
- Collegli il condotto della flessione all'alloggiamento.

5



Add the safety wire to the flex conduit or continue to the next step.

- Agregue el alambre de seguridad al conducto de la flexión o continúe al paso siguiente.
- Ajoutez le fil de sûreté au conduit de câble ou continuez à la prochaine étape.
- Fügen Sie die Sicherheit Leitung dem Flexrohr hinzu oder fahren Sie zum folgenden Schritt fort.
- Adicione o fio de segurança à canalização do cabo flexível ou continue à etapa seguinte.
- Aggiunga il legare di sicurezza al condotto della flessione o continui al punto seguente.

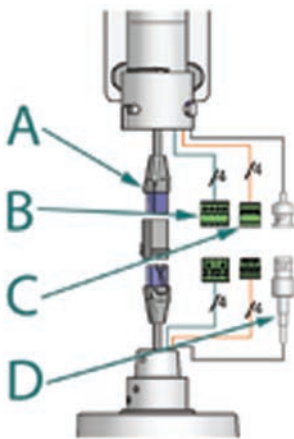
6



The alternate location to attach the safety wire is on the housing secure tab.

- La localización alterna para unir el alambre de seguridad está en la lengüeta segura de la cubierta.
- L'endroit alternatif pour attacher le fil de sûreté est sur l'étiquette bloquée de logement.
- Die wechselnde Position, zum der Sicherheit Leitung anzubringen ist auf dem sicheren Vorsprung des Gehäuses.
- A posição alterna para unir o fio de segurança está na aba segura da carcaça.
- La posizione alternata per fissare il legare di sicurezza è sulla linguetta sicura dell'alloggiamento.

7



A

B

C

D

RJ45

24VAC			POWER
1	Camera	Red	Max 28 Watts
2	Camera	Orange	
3	Heater/Blower	Yellow	52 Watts (Outdoor Only)
4	Heater/Blower	Green	

1/0

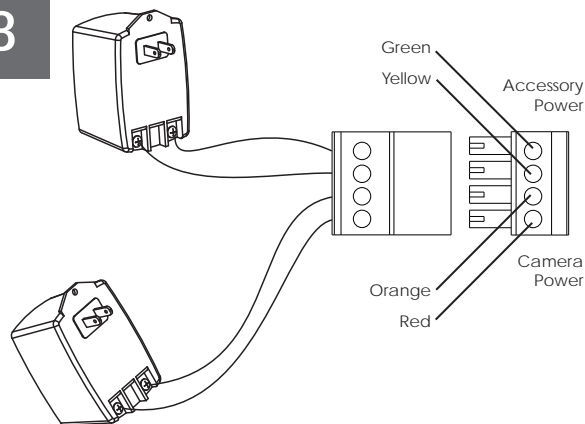
1	GND	Blue
2	GND	Violet
3	Alarm OUT	Gray
4	Alarm IN	White

BNC

Make the appropriate male and female connections.

- Haga las conexiones masculinas y femeninas apropiadas.
- Établissez les rapports masculins et femelles appropriés.
- Stellen Sie die passenden männlichen und weiblichen Beziehungen her.
- Faça as conexões masculinas e fêmeas apropriadas.
- Faccia i collegamenti maschii e femminili adatti.

8



Camera = red & orange wires to terminal
Heater/Blower = yellow & green wires to terminal.

- Cámara fotográfica = alambres rojos y anaranjados al terminal Heater/Blower = alambres del amarillo y del verde al terminal.
- Appareil-photo = fils rouges et oranges à la borne Heater/Blower = fils de jaune et de vert à la borne.
- Kamera = rote u. orange Leitungen zum Anschluß Heater/Blower = Gelb- u. Grünleitungen zum Anschluß.
- Câmera = fios vermelhos & alaranjados ao terminal Heater/Blower = fios do amarelo & do verde ao terminal.
- Macchina fotografica = legare rossi & arancioni al terminale Heater/Blower = legare di verde & di colore giallo al terminale.

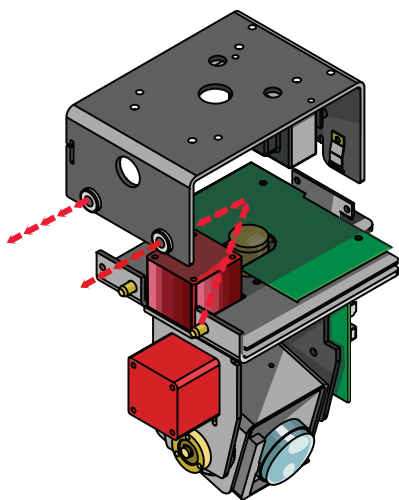
9

Total vA consumed	Wire Gauge							MM ² AWG
	,5	,75	1,0	1,5	2,5	4	6	
	22	20	18	16	14	12	10	
5.5	ft	m	400	600	960	-	-	-
			121	182	292	-	-	-
10	120	180	300	480	800	1300	-	
			36.5	54.9	91.4	243	396	-
20	89	141	225	358	571	905	1440	
			27.1	43.0	68.6	109	174	275
30	65	90	130	225	350	525	830	
			19.8	27.4	39.6	68.6	106	160
40	44	70	112	179	285	452	720	
			13.4	21.3	34.1	54.6	86.9	138
50	35	56	90	143	228	362	576	
			10.6	17.1	27.4	43.6	69.5	110
60	29	47	75	119	190	301	480	
			9.4	14.3	22.9	36.2	57.9	91.7
70	25	40	64	102	163	258	411	
			8.8	12.2	19.5	31.1	49.7	78.6
80	31	34	55	85	140	215	340	
			7.6	10.3	16.8	25.9	42.7	65.5
								103

These are recommended maximum distances for 24VAC with a 10% voltage drop.

- Éstos se recomiendan las distancias máximas para 24VAC con una gota del voltage del 10%.
- Ceux-ci sont recommandés des distances maximum pour 24VAC avec une chute de tension de 10%.
- Diese werden maximale Abstände für 24VAC mit einem 10% Spannungsabfall empfohlen.
- Estes são recomendados distâncias máximas para 24VAC com uma queda de tensão de 10%.
- Questi sono suggeriti distanze massime per 24VAC con una differenza di potenziale di 10%.

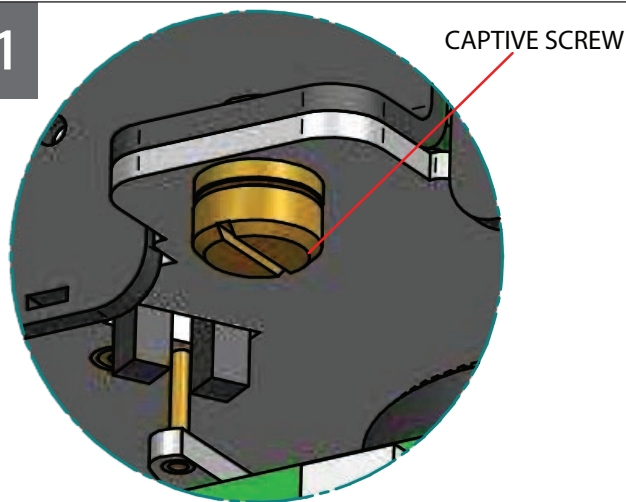
10



Remove Pan/Tilt from shipping carton.
Install in base bracket in housing.

- Quite Pan/Tilt del cartón del envío. Instale en soporte bajo en la cubierta.
- Enlevez Pan/Tilt du carton d'expédition. Installez dans la parenthèse basse dans le logement.
- Entfernen Sie Pan/Tilt vom Verschiffenkarton. Bringen Sie in niedrigen Haltewinkel im Gehäuse an.
- Remova Pan/Tilt da caixa do transporte. Instale no suporte baixo na carcaça.
- Rimuova Pan/Tilt dalla scatola di trasporto. Installi in staffa bassa in alloggiamento.

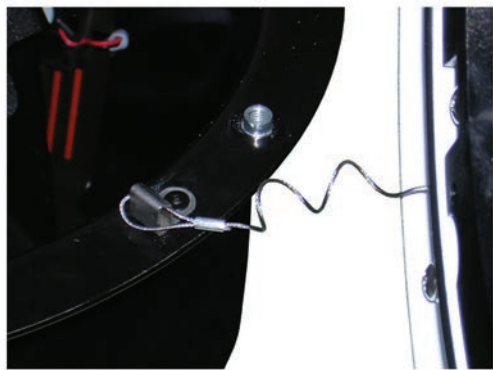
11



To secure in place, tighten captive screw.

- Para asegurar en lugar, apriete el tornillo prisionero.
- Pour fixer en place, serrez la vis captive.
- Um im Platz zu sichern, ziehen Sie Sicherheitsschraube fest.
- Para fixar-se no lugar, aperte o parafuso prisioneiro.
- Per fissare sul posto, stringa la vite prigioniera.

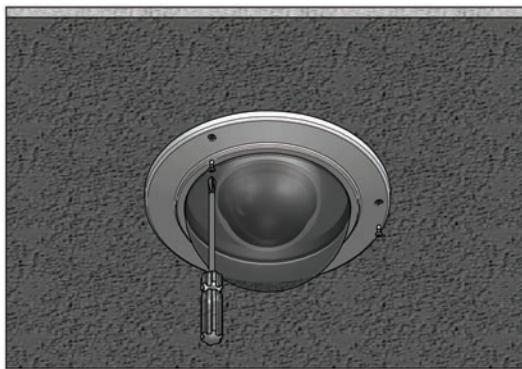
12



Hook the lanyard from the dome to the housing as shown.

- Enganche el acollador de la bóveda a la cubierta según lo demostrado.
- Accrochez la lanière du dôme au logement comme montré.
- Spannen Sie die Abzuglinie von der Haube zum Gehäuse an, wie gezeigt.
- Enganche o colhedor da abóbada à carcaça como mostrada.
- Agganci la cordicella dalla cupola all'alloggiamento come indicato.

13

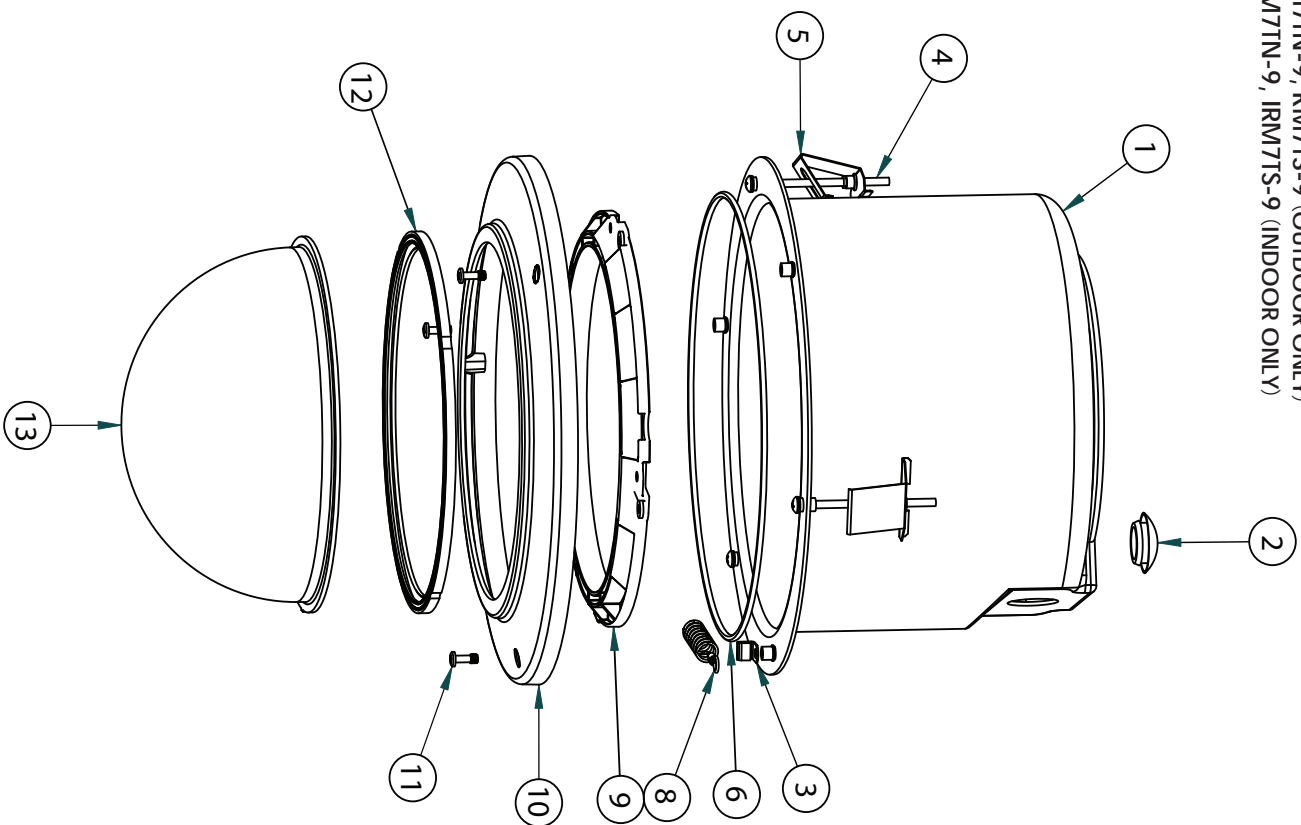


Secure the dome in place (alternate security screws are provided).

- Asegure la bóveda en lugar (se proporcionan los tornillos alternos de la seguridad).
- Fixez le dôme en place (des vis alternatives de sécurité sont fournies).
- Sichern Sie die Haube im Platz (wechselnde Sicherheit Schrauben werden zur Verfügung gestellt).
- Fixe a abóbada no lugar (os parafusos alternos da segurança são fornecidos).
- Fissi la cupola sul posto (le viti alternate di sicurezza sono fornite).

Replacement Parts List

RM7TN-9, RM7TS-9 (OUTDOOR ONLY)
IRM7TN-9, IRM7TS-9 (INDOOR ONLY)



REPLACEMENT PARTS NUMBER	DESCRIPTION
1	RP30VL2873
2	RP
3	RP30VL2733
4	RP90BT2975
5	RPVL2204
6	RP96RSORG11
7	N/S
8	RP95FSSL05
9	RPFD703
10	RP30VL2884
11a	RP90BT3007
11b	RP90BT2975
12	RP96GK2558
13a	RPFD7C
13b	RPFD7T
14	RPPKE1100
15	RPPKH2110
16	RPVL2857
17	RP76UL385A
18	RP96PS6K08
19	RPVL3097
20	RP76POF060E
21	RP70P14015

